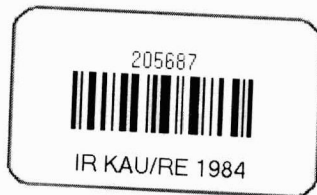


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ON THE RESEARCH STATIONS & FARMS  
IN THE  
KERALA AGRICULTURAL UNIVERSITY - 1984



Directorate of Research  
Kerala Agricultural University  
Vellanikkara-680 654  
Trichur, Kerala



205687

IK KAU/RE 1984

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Compilation and Processing by the  
M&E Cell of the  
Directorate of Research

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REGIONAL AGRICULTURAL RESEARCH STATION, PILICODE

Inception & Brief History:

The Coconut Research Station, Pilicode, was established in 1916 by the Govt. of Madras along with the Kasaragod and Nileshwar I & II Stations. The Pilicode and Nileshwar centres were transferred to Govt. of Kerala in 1956, consequent on States Re-organisation. In 1972 when the KAU came into existence, Nileshwar II and Pilicode Stations were transferred to the University. With the introduction of the NARP the Pilicode and Nileshwar II centres were reorganised on 1-6-1980 to function as the Regional Agricultural Research Station for the northern zone to cater to the needs of the Cannanore, Kozhikode, Malappuram districts.

Location: The Station is located in Hosdurg taluk of Kasaragod at 13° N latitude and 75° E longitude at 15m above MSL.

Soil type: At Pilicode the soil is lateritic and in Nileshwar it is red sandy loam.

Utilisation of farm land

|                     | Total area<br>(ha) |             |       | Area under<br>experiments (ha) |             |       |
|---------------------|--------------------|-------------|-------|--------------------------------|-------------|-------|
|                     | Garden<br>land     | Wet<br>land | Total | Garden<br>land                 | Wet<br>land | Total |
| Pilicode campus     | 35.65              | 4.00        | 39.65 | 21.43                          | 1.00        | 22.43 |
| Nileshwar<br>campus | 17.25              | ..          | 17.25 | 9.00                           | ..          | 9.00  |
| Total               | 52.90              | 4.00        | 56.90 | 30.43                          | 1.00        | 31.43 |

The acquisition proceedings are in the final stage for acquiring further 30 ha in Pilicode.

Projects/Schemes in operation

\*NARP Northern Region

\*All India Coordinated Coconut & Arecanut Improvement Project

Number of Research Projects in operation

|                        | <u>Pilicode</u> | <u>Nileshwar</u> | <u>Total</u> |
|------------------------|-----------------|------------------|--------------|
| Research Projects      | 46              | 12               | 58           |
| Ad hoc projects        | 2               | ..               | 2            |
| Collaborative projects | 4               | ..               | 4            |
| Total                  | 52              | 12               | 64           |

Objective functions

The major thrust of work in this Station is for the improvement of coconut and for development of agrotechniques for coconut and coconut based farming system. After the introduction of NARP, location specific problems were identified for the entire region and research for solving such problems are also being undertaken.

Expenditure (Rs.)

|   | <u>1982-83</u> | <u>1983-84</u> |
|---|----------------|----------------|
| Pay and allowances of staff               | 10,14,112.40   | 12,29,560.64   |
| Pay and allowances of permanent labourers | 1,65,250.02    | 1,77,506.60    |
| Labour charges                            | 2,46,464.07    | 2,74,019.88    |
| Contingencies                             | 3,84,816.42    | 2,71,183.02    |
| Total                                     | 18,10,642.91   | 19,52,270.14   |

Receipts

|          | <u>1982-83</u>     | <u>1983-84</u>     |
|----------|--------------------|--------------------|
| Non-plan | 3,41,248.81        | 5,46,784.59        |
| Plan     | 30,799.65          | 15,112.21          |
| Total    | <u>3,72,048.46</u> | <u>5,61,896.80</u> |

Staff positions

Academic staff

Non-plan

|                     | <u>Sanct-<br/>ioned</u> | <u>In posi-<br/>tion</u> | <u>Vacant<br/>position</u> | <u>Remarks</u> |
|---------------------|-------------------------|--------------------------|----------------------------|----------------|
| Associate Professor | 2                       | 1                        | 1                          |                |
| Assistant Professor | 4                       | 2                        | 2                          |                |

NARP

|                     |    |    |   |  |
|---------------------|----|----|---|--|
| Associate Director  | 1  | .. | 1 | (Professor Agronomy holding full additional charge from 30-6-83) |
| Professor           | 2  | .. | 1 | One post filled up by an Associate Professor                     |
| Associate Professor | 16 | 10 | 6 |  |
| Assistant Professor | 5  | 4  | 1 |  |

AICC & AIP

|                         |   |    |   |  |
|-------------------------|---|----|---|--|
| Associate Professor     | 1 | .. | 1 |  |
| Jr. Assistant Professor | 2 | .. | 1 |  |

Supporting staff

|          | <u>Admn.<br/>Officer</u> | <u>Other supporting<br/>staff</u> | <u>Permanent<br/>Mazdoors</u> | <u>Total</u> |
|----------|--------------------------|-----------------------------------|-------------------------------|--------------|
| Non-plan | ..                       | 18                                | 28                            | 46           |
| NARP     | 1                        | 20                                | ..                            | 21           |

PEPPER RESEARCH STATION, PANNIYUR

Inception and Brief history

The Station was started in 1952. Initially the Station Headquarters was at Taliparamba. The land for the present Station was acquired and taken into possession in 1953. With the reorganisation of the states, the Station came under the Department of Agriculture, Govt. of Kerala and it became a constituent institution of the KAU from 1-2-1972.

Location: The Station is located in Pannoor village, Taliparamba taluk of Cannanore District. It is located 10 km N-E of Taliparamba town en route to Alakode. The geographic location is at latitude 12°-5' N and longitude 74°-55' E at an altitude of 95m above MSL.

Soil type: Well drained - topography undulating - Lateritic with varying <sup>depth</sup> depth. The soil varies from few inches to few feet. But major area is having a depth of 30 to 90 cms.

Land utilisation pattern

Total area:

|                            |             |
|----------------------------|-------------|
| Area as on 1-2-72          | - 14.945 ha |
| Addl. acquisition in 1981  | - 11.574 ha |
|                            | -----       |
| Total                      | 26.519 ha   |
|                            | =====       |
| Area put under experiments | - 12 ha     |

Fruit plants such as mango, sapota, etc., occupy 0.5 ha. Arecanut is raised in an area of 0.5 ha. An area of 1.0 ha is kept as natural forest along

the southern boundary of the farm as the area is unsuitable for pepper. The remaining 2.5 ha is occupied by buildings, roads, uncultivable wastes, etc.

Expenditure

|   | <u>1982-83</u>     | <u>1983-84</u>     |
|---|--------------------|--------------------|
| Pay and allowances of staff               | 2,29,917.92        | 3,10,907.20        |
| Pay and allowances of permanent labourers | 1,11,774.22        | 1,32,515.78        |
| Labour charges                            | 97,251.55          | 1,26,045.69        |
| Contingencies                             | 1,67,059.12        | 1,09,731.63        |
| Total                                     | <u>6,06,002.81</u> | <u>6,79,200.30</u> |

Receipts

|         |              |
|---------|--------------|
| 1982-83 | - 21,553.71  |
| 1983-84 | -2,23,578.97 |

Staff positions

|                            | <u>Sanct-<br/>ioned</u> | <u>In posi-<br/>tion</u> | <u>Positions<br/>vacant</u> |
|----------------------------|-------------------------|--------------------------|-----------------------------|
| <u>Academic</u>            |                         |                          |                             |
| Professor                  | 1                       | 1                        | ..                          |
| Associate Professor        | 2                       | 2                        | ..                          |
| Assistant Professor        | 5                       | 2                        | 3                           |
| Junior Assistant Professor | 1                       | ..                       | 1                           |
|                            | <u>9</u>                | <u>5</u>                 | <u>4</u>                    |
| <u>Paratechnical</u>       |                         |                          |                             |
| Farm Supervisor            | 1                       | ..                       | ..                          |
| Farm Assistant             | 5                       | ..                       | ..                          |
| Lab Assistant              | 1                       | ..                       | ..                          |
| Field Supervisor           | 1                       | ..                       | ..                          |
| <u>Supporting</u>          |                         |                          |                             |
| Administrative Assistant   | 1                       | ..                       | ..                          |
| Office Assistant           | 2                       | ..                       | ..                          |
| Typist                     | 1                       | ..                       | ..                          |
| Peon, Watchman, Driver     | 3                       | ..                       | ..                          |
|                            | <u>15</u>               |                          |                             |



Schemes implemented

NARP Northern Region

All India Co-ordinated Spices & Cashew Improvement Project

Pepper Research - KAU - Non plan.

No. of Research Projects in operation : 19 Nos.

Objective functions

The major objectives of the Station are improvement of pepper crop and evolving suitable technology for the production and protection of pepper.

REGIONAL AGRICULTURAL RESEARCH STATION, AMBALAVAYAL

Inception and Brief History:

The Station was established in 1946 as part of the Wynad colonisation scheme under post-war rehabilitation programme. The Station came under the Department of Agriculture, Govt. of Kerala in 1956 and was taken over by the KAU in February, '72. The Station was reorganised and upgraded to the status of Regional Agricultural Research Station for the high range region in 1983.

Location: The Station is located in Ambalavayal in Sultan Battery taluk of Wynad District at an elevation of 974m above MSL. The geographic location is at latitude of 11°37' N and longitude 76°12' E.

Soil: Loam rich in humus.

Utilisation of farm land

|                        |            |
|------------------------|------------|
| Total area             | : 87.03 ha |
| Area under experiments | : 25.00 ha |

Cropping pattern:

|                |            |
|----------------|------------|
| Fruit crops    | : 11.32 ha |
| Pepper         | : 7.00 ha  |
| Eucalyptus     | : 12.50 ha |
| Coffee         | : 22.10 ha |
| Cocoa          | : 0.50 ha  |
| Paddy          | : 8.00 ha  |
| Seasonal crops | : 10.00 ha |
| Coconut        | : 2.00 ha  |
| Arecanut       | : 0.50 ha  |
| Nursery        | : 1.00 ha  |

Objective functions:

The Station was originally intended as a demonstration farm for the benefit of the cultivators of the Colonisation Scheme. At present research on different aspects of tropical and sub-tropical fruits and vegetables, spices, paddy and coconut are being undertaken in addition to the studies on coffee based on cropping system.

Projects/Schemes operated:

NARP for high range region.

All India Coordinated Fruit Improvement Project.

No. of research projects in progress:

Total - 36 Nos. (including 19 under NARP)

Expenditure (Rs.)

| <u>University Schemes</u>               | <u>1982-83</u> | <u>1983-84</u> |
|---|----------------|----------------|
| Pay and allowances of staff             | 4,06,887.44    | 4,83,698.58    |
| Pay & allowances of permanent labourers | 7,32,345.96    | 7,35,623.50    |
| Labour charges                          | 79,653.23      | 79,775.76      |
| Contingencies                           | 2,09,671.95    | 2,87,825.52    |
| Total                                   | 14,28,558.58   | 15,86,923.36   |

|                           | <u>1982-83</u> | <u>1983-84</u> |
|---------------------------|----------------|----------------|
| <u>AICFIP</u>             |                |                |
| Pay & allowances of staff | 58,509.37      | 78,944.48      |
| Contingencies             | 15,200.65      | 16,608.21      |
| Total                     | 73,710.02      | 95,552.69      |

|                           |              |              |
|---------------------------|--------------|--------------|
| <u>NARE</u>               |              |              |
| Pay & allowances of staff | ..           | 25,128.78    |
| Contingencies             | ...          | 7,375.42     |
| Total                     | Nil          | 32,504.20    |
| GRAND TOTAL               | 15,02,268.60 | 17,14,980.25 |

Receipts

|                           |   |             |
|---------------------------|---|-------------|
| 1982-83                   | - | 4,51,569.59 |
| 1983-84                   | - | 5,45,988.09 |
| Expenditure/receipt ratio |   |             |
| for 1983-84               | - | 3.14        |

Staff positions

| <u>NARP</u>                | <u>Sanc-</u><br><u>tioned</u> | <u>No. in</u><br><u>position</u> | <u>Vacant</u> |
|----------------------------|-------------------------------|----------------------------------|---------------|
| <u>Academic</u>            |                               |                                  |               |
| Associate Director         | 1                             | 1                                | ..            |
| Associate Professor        | 1                             | 1                                | ..            |
| Assistant Professor        | 4                             | 1                                | 3             |
| <u>AICFIP</u>              |                               |                                  |               |
| Associate Professor        | 1                             | ..                               | 1             |
| Assistant Professor        | 1                             | 1                                | ..            |
| Junior Assistant Professor | 2                             | 2                                | ..            |
| <u>KVK</u>                 |                               |                                  |               |
| Associate Professor        | 1                             | 1                                | ..            |
| Junior Assistant Professor | 3                             | 3                                | ..            |
| <u>Non-Plan</u>            |                               |                                  |               |
| Assistant Professor        | 3                             | 1                                | 2             |
| Total                      | 17                            | 11                               | 6             |

|                              | <u>Sanct-</u><br><u>ioned</u> | <u>No. in</u><br><u>position</u> | <u>Vacant</u> |
|------------------------------|-------------------------------|----------------------------------|---------------|
| <u>Supporting staff</u>      |                               |                                  |               |
| Administration Officer       | 1                             | 1                                | ..            |
| Office Assistants            | 5                             | 5                                | ..            |
| Typists                      | 1                             | 1                                | ..            |
| Farm Supervisor              | 2                             | 2                                | ..            |
| Farm Assistant               | 8                             | 8                                | ..            |
| Field Supervisor             | 2                             | 2                                | ..            |
| Budder                       | 1                             | 1                                | ..            |
| Oil Engine Driver            | 1                             | 1                                | ..            |
| Tractor Driver               | 1                             | 1                                | ..            |
| Lab Assistant Grade II       | 3                             | 3                                | ..            |
| Peon                         | 3                             | 3                                | ..            |
| Jeep Driver                  | 1                             | 1                                | ..            |
| Watchman                     | 2                             | 2                                | ..            |
| Regular Mazdoor Higher Grade | 7                             | 7                                | ..            |
| Regular Mazdoor              | 5                             | 5                                | ..            |
|                              | <hr/>                         |                                  |               |
| Total                        | 43                            | 43                               | ..            |
|                              | <hr/>                         |                                  |               |

#### REGIONAL AGRICULTURAL RESEARCH STATION, PATTAMBI

##### Inception & Brief History

The Paddy Breeding Station, Pattambi, came into existence on 12-3-1927. The name of the Station was changed as Agricultural Research Station in 1930. During 1956 the Station was transferred by the Madras Govt. to Kerala Govt. In 1962 the Station was elevated to the status of Central Rice Research Station, with regional centres at Mannuthy, Kayamkulam and Vyttila. Consequent on the advent of the N.R.P., the Station was reorganised as RARS Pattambi to cater to the needs of the central region of the State.

Location: Latitude 10° N  
Longitude 76° E  
Elevation 25 MSL

Soil type: Ridges and slopes of low hills form the bulk of modern land. The soil is gravelly and overlies undecomposed soil. Palliyals are high level terrace lands with extremely porous soil. The soil in double cropped wet land is moderately fertile and deep.

Projects in operation:

AICRP Double Cropping Sub Centre  
AICRP on Chemistry of Submerged soil  
NARP, Rice Based mixed Farming System  
KVK, AICRP on Pulses

Utilisation of area:

Total area : 63.64 ha

Area under experiment :

Objective functions:

The lead function for the Pattambi Station is to conduct research on all aspects of rice crop. The verification functions include rice and pulses.

Expenditure

|   | <u>1982-83</u>      | <u>1983-84</u>      |
|---|---------------------|---------------------|
| Pay & allowances of staff               | 12,84,493.72        | 17,66,572.36        |
| Pay & allowances of permanent labourers | 4,93,232.58         | 5,84,041.97         |
| Cost of seasonal labour                 | 1,75,479.24         | 2,07,066.43         |
| Contingencies                           | 5,66,810.86         | 5,82,926.33         |
| Total                                   | <u>25,20,016.40</u> | <u>31,40,607.09</u> |

Receipts

|         |   |                 |
|---------|---|-----------------|
| 1982-83 | - | Rs. 3,03,041.87 |
| 1983-84 | - | Rs. 4,18,956.37 |

Personnel

|                            | <u>Sanct-</u><br><u>ioned</u> | <u>In posi-</u><br><u>tion</u> | <u>Vacant</u> |
|----------------------------|-------------------------------|--------------------------------|---------------|
| <u>Technical</u>           |                               |                                |               |
| Associate Director         | 1                             | 1                              | ..            |
| Professor                  | 2                             | 2                              | ..            |
| Associate Professor        | 14                            | 11                             | 3             |
| Assistant Professor        | 27                            | 15                             | 12            |
| Junior Assistant Professor | 10                            | 3                              | 7             |
| Total                      | 54                            | 32                             | 22            |

Supporting staff

|                          |    |    |    |
|--------------------------|----|----|----|
| Farm Supervisor Grade II | 1  | 1  | .. |
| Farm Supervisor Grade I  | 1  | 1  | .. |
| Sr. Grade Farm Assistant | 3  | 3  | .. |
| Farm Assistant Grade I   | 5  | 5  | .. |
| Farm Assistant Grade II  | 8  | 6  | 2  |
| Lab Assistant            | 11 | 9  | 2  |
| Regular Mazdoor          | 20 | 18 | 2  |
| Drivers                  | 6  | 3  | 3  |
| Watchman                 | 5  | 5  | .. |
| Peon                     | 9  | 9  | .. |
| Technician Grade I       | 1  | 1  | .. |
| Technician Grade II      | 1  | 1  | .. |
| Hostel Attendant         | 1  | 1  | .. |
| Cook-cum-Caretaker       | 1  | .. | 1  |
| AV Operator              | 1  | .. | 1  |
| Photographer             | 1  | .. | 1  |
| Duplicator Operator      | 1  | 1  | .. |
| Total                    | 76 | 64 | 12 |

|   | <u>Sanct-</u> | <u>No. in</u>   | <u>Vacant</u> |
|---|---------------|-----------------|---------------|
|   | <u>ioned</u>  | <u>position</u> |               |
| <u>Administration &amp; Ministerial</u> |               |                 |               |
| Administrative Officer                  | 1             | 1               | ..            |
| Section Officer                         | 3             | 3               | ..            |
| Office Superintendent                   | 1             | 1               | ..            |
| Senior Grade Assistant                  | 4             | 4               | ..            |
| Assistant Grade I                       | 4             | 4               | ..            |
| Assistant Grade II                      | 2             | 2               | ..            |
| Senior Grade Typist                     | 1             | 1               | ..            |
| Typists Grade I & II                    | 4             | 2               | 2             |
|   | -----         |                 |               |
| Total                                   | 20            | 18              | 2             |
|   | =====         |                 |               |

LIVESTOCK RESEARCH STATION, THIRUVAZHAMKUNNU

Inception - Brief History

This Station was started in 1949 at Thiruvazhamkunnu in the Mannarghat Taluka of Palghat District for conducting research on the scientific breeding of livestock and its management. The centre for the All India Coordinated Project on Agro forestry was started in the Station in 1983.

Pattern of land utilisation:

|  |            |
|--|------------|
| Total area   | - 163.3 ha |
| Area put under KADP (Coconut) and other field experiments on crops | - 5.4 ha   |
| Area under agroforestry experiments                                | - 5.00 ha  |
| Area under fodder  | - 78.37 ha |
| Grazing land   | - 42.93 ha |

No. of Research Projects in progress:

|                             |       |
|-----------------------------|-------|
| Veterinary & Animal Science | - 2   |
| Agro Forestry               | - 4   |
| Others                      | - 1   |
|                             | ----- |
| Total                       | 7     |
|                             | ===== |

Expenditure

|   | <u>1982-83</u> | <u>1983-84</u> |
|---|----------------|----------------|
| Pay & allowances of staff               | 4,54,286.46    | 5,02,907.01    |
| Pay & allowances of permanent labourers | 4,71,281.37    | 5,20,851.80    |
| Seasonal labour charges                 | 2,17,779.87    | 2,51,397.93    |
| Contingencies                           | 4,36,294.02    | 4,05,442.84    |
| Total                                   | 15,79,641.72   | 16,80,599.58   |

Receipts

|                                       |   |             |
|---------------------------------------|---|-------------|
| 1982-83                               | - | 2,33,061.06 |
| 1983-84                               | - | 1,57,398.89 |
| Expenditure/Receipt ratio for 1983-84 |   | : 10.67     |

Personnel

|                             | <u>Sanct-<br/>ioned</u> | <u>In posi-<br/>tion</u> | <u>Vacant</u> |
|-----------------------------|-------------------------|--------------------------|---------------|
| <u>Academic</u>             |                         |                          |               |
| Veterinary & Animal Science | 3                       | 3                        | ..            |
| Agro Forestry               | 8                       | 2                        | 6             |
| <u>Supporting staff</u>     |                         |                          |               |
| Total in position           |                         | 29                       |               |

CASHEW RESEARCH STATION, ANAKKAYAM

Inception & Brief History

The Station was established by the Government of Kerala in 1963 under the Department of Agriculture. The Station was taken over by the KAU in 1972.

Location: Located in the Anakkayam village in Ernad taluk in Malappuram District. The station is 9 km away from Malappuram in the Mallappuram Manjeri Road - Elevation 106.8m above MSL.



Utilisation of land

|                                 |           |
|---------------------------------|-----------|
| Total area                      | - 9.92 ha |
| Area under casheew              | - 8.00 ha |
| Coconut with cocoa on intercrop | - 0.50 ha |
| Roads, buildings                | - 1.42 ha |
| Total                           | - 9.92 ha |

Expenditure

|               | <u>1981-82</u> | <u>1982-83</u> | <u>1983-84</u> |
|---------------|----------------|----------------|----------------|
| Establishment | 80,357.73      | 80,928.87      | 72,401.55      |
| Contingencies | 64,834.16      | 54,125.81      | 72,870.07      |
| Total         | 1,45,191.89    | 1,35,054.68    | 1,45,271.62    |

Receipts

|         |                 |
|---------|-----------------|
| 1981-82 | - Rs. 32,756.72 |
| 1982-83 | - Rs. 34,100.21 |
| 1983-84 | - Rs. 57,132.51 |

Staff position

|                            | <u>Sanct-<br/>ioned</u> | <u>In posi-<br/>tion</u> | <u>Vacant</u> |
|----------------------------|-------------------------|--------------------------|---------------|
| <u>Academic</u>            |                         |                          |               |
| Associate Professor        | 1                       | 1                        | ..            |
| Junior Assistant Professor | 1                       | 1                        | ..            |
| Total                      | 2                       | 2                        | ..            |
| <u>Supporting staff</u>    |                         |                          |               |
| Farm Assistant             | 1                       | 1                        | ..            |
| Assistant Grade II         | 1                       | 1                        | ..            |
| Regular Mazdoor            | 1                       | 1                        | ..            |
| Mali                       | 1                       | 1                        | ..            |
| Jeep Driver                | 1                       | 1                        | ..            |
| Peon                       | 1                       | 1                        | ..            |
| Total                      | 6                       | 6                        | ..            |

### Research Projects

Six research projects for the improvement of cashew and four the development of agri-technique for cashew cultivation are being implemented.

### AGRICULTURAL RESEARCH STATION, MANNUTHY

#### Inception Brief history

The Station was started in 1957 as Rice Research Station in the Central Farm complex at Mannuthy under control of the Rice Specialist. In 1963, the headquarters of the Rice Specialist was shifted to Pattambi. With the formation of the Kerala Agricultural University in 1972, the Rice Research Station and the agri. research Stations were taken over by the University. In 1976 these two units were amalgamated to form the RS & IF Mannuthy.

#### Location

The station is located at Mannuthy by the side of NH-47 at a distance of 6 km east of Trichur town. The geographic location is 10°.22 N latitude and 76°16'E longitude at an altitude of 1.5 m above MSL.

#### Soil

The soil in the wet land is sandy loam and that of the garden land is lateritic loam.

#### Land Utilisation Pattern

|                         |                    |
|-------------------------|--------------------|
| Total area              | 94.37 acres        |
| Area under cultivation  | 85.57 acres        |
| Area under experiments: |                    |
| Wet land                | 8.24 acres         |
| Upland                  | 3.50 "             |
| Total                   | <u>11.74</u> acres |

|                              |                    |
|------------------------------|--------------------|
| Area under buildings & roads | 8.86 acres         |
| <u>Cropping pattern</u>      |                    |
| Coconut                      | 27.81 acres        |
| Mango                        | 29.97 "            |
| Cashew                       | 2.47 "             |
| Nursery                      | 2.80 "             |
| Other crops                  | 18.46 "            |
| <u>Total cropped area</u>    | <u>85.51 acres</u> |

Objective functions:

To conduct research on rice (AICRP), Pulses, groundnut, tubercrops, coconut and other crops.

Projects in Progress

|   |               |
|---|---------------|
| NARP Central Zone Sub Centre            | 9             |
| NARP Special Zone for Kole              | 7             |
| AICRP Double Cropping Sub centre        | 7             |
| ICAR Adhoc scheme for annual oil seeds  | 10            |
| Kerala Agricultural University Projects | 10            |
| <u>Total</u>                            | <u>43 Nos</u> |

Expenditure

|   | <u>1982-83</u>     | <u>1983-84</u>      |
|---|--------------------|---------------------|
| Pay & allowances of staff               | 3,54,990.59        | 4,45,564.73         |
| Pay & allowances of permanent labourers | 2,94,369.60        | 3,17,362.72         |
| Cost of seasonal labour                 | 47,946.53          | 46,293.64           |
| Contingents                             | 90,751.46          | 4,52,701.21         |
| <u>Total</u>                            | <u>7,88,058.18</u> | <u>12,61,922.30</u> |
|   | =====              | =====               |

Receipts

|         |             |
|---------|-------------|
| 1982-83 | 2,25,517.07 |
| 1983-84 | 3,66,153.41 |

Expenditure/Receipt ratio      1983-84      = 3.446  
 =====

Personnel

|                              | <u>Sancti-<br/>oned</u> | <u>In<br/>Position</u> | <u>Position<br/>vacant</u> |
|------------------------------|-------------------------|------------------------|----------------------------|
| <u>Technical</u>             |                         |                        |                            |
| Professor                    | 1                       | 1                      | ..                         |
| Assoc. Professor             | 3                       | 2                      | 1                          |
| Asst. Professor              | 4                       | 3                      | 1                          |
| Jr. Asst. Professor          | 5                       | 2                      | 3                          |
| Design Engineer              | 1                       | 1                      | ..                         |
| Sr. Technician               | 1                       | ..                     | 1                          |
| Sr. Craftsman                | 1                       | ..                     | 1                          |
| Technician                   | 2                       | 2                      | nil                        |
| <b>Total</b>                 | <b>18</b>               | <b>11</b>              | <b>7</b>                   |
| <hr/>                        |                         |                        |                            |
| Para Technical               | 14                      | 13                     | 1                          |
| Administration & Ministerial | 6                       | 6                      | ..                         |
| Supporting                   | 9                       | 7                      | 2                          |
| <b>Total</b>                 | <b>29</b>               | <b>26</b>              | <b>3</b>                   |
| <hr/>                        |                         |                        |                            |
| <b>Grand Total</b>           | <b>47</b>               | <b>37</b>              | <b>10</b>                  |
| =====                        |                         |                        |                            |

BANANA RESEARCH STATION, KANNARA

Inception and Brief History

This station was established in 1963, to improve the varieties of banana and pineapple by introduction, selection and hybridization and to standardise management practices for these crops. The venue of the pineapple research centre was shifted to Vellanikkara in 1974. The Kannara station was taken over the Kerala Agricultural University in 1972.

Location

The Station is located 3 km west of Kannara at Marakkal. The geographical location is at latitude 10°5'N and 76°17'E longitude, at an elevation of 55-60 above msl.

Soil

The soil is laterite loam and alluvial in some pockets.

Land utilisation pattern

|                               |                  |
|-------------------------------|------------------|
| The total area of the farm is | 17.53 ha.        |
| Area under experiments        | <u>7.00</u>      |
| Total                         | <u>24.53 ha.</u> |

Research Projects/Schemes Implemented

All India Coordinated Fruit Improvement Project, Kerala Agricultural University Projects on banana (non-plan).

|  |           |           |
|--|-----------|-----------|
| Total no. of research projects in operation: | Banana    | 17        |
|  | Pineapple | <u>11</u> |
|  | Total     | <u>28</u> |

Objective functions

To conduct research on all aspects of banana and pineapple. The pineapple centre is located at the Main Campus, Vellanikkara.

Expenditure

|   | <u>1982-83</u>     | <u>19 83-84</u>    |
|---|--------------------|--------------------|
| Pay & allowances of staff               | 2,78,120.54        | 3,37,622.94        |
| Pay & allowances of permanent labourers | 2,27,592.98        | 2,49,719.77        |
| Labour charges                          | 68,915.57          | 89,822.33          |
| Contingencies                           | 59,538.10          | 69,172.83          |
| Total                                   | <u>6,34,167.19</u> | <u>7,46,337.84</u> |

Receipts

1982-83 1,27,568.17

1983-84 1,46,194.80

Expenditure Receipt ratio for 1983-84 = 5.105

Staff Position

|                         | <u>Sanct-</u> | <u>In</u>       | <u>Vacant</u> |
|-------------------------|---------------|-----------------|---------------|
|                         | <u>ioned</u>  | <u>position</u> |               |
| <u>Academic staff</u>   |               |                 |               |
| Assoc. Professor        | 1             | 1               | ..            |
| Asst. Professor         | 5             | 2               | 3             |
| Junior Asst. Professor  | 5             | 1               | 4             |
| Total                   | <u>11</u>     | <u>4</u>        | <u>7</u>      |
| Supporting staff        | 12            | 3               | 9             |
| <u>Non-Plan</u>         |               |                 |               |
| Supporting staff        | 5             | 5               | ..            |
| Ministerial staff       | 3             | 3               | ..            |
| Permanent labourers     | 28 nos.       |                 | ..            |
| <u>Supporting staff</u> |               |                 |               |
| Farm Supervisor         | 1             | 1               | ..            |
| Farm Assistant Gr. I    | 1             | 1               | ..            |
| "    Gr. II             | 4             | 3               | 1             |
| Oil Engine driver       | 1             | 1               | ..            |
| Driver Gr. II           | 1             | 1               | ..            |
| Mali                    | 2             | 2               | ..            |
| Peon                    | 2             | 2               | ..            |
| Watchman                | 2             | 1               | 1             |
| Lab Assistant           | 2             | ..              | 2             |
| Total                   | <u>16</u>     | <u>12</u>       | <u>4</u>      |

Administrative & Ministerial

|                          |          |          |           |
|--------------------------|----------|----------|-----------|
| Administrative Assistant | 1        | 1        | ..        |
| Clerk-Typist             | 1        | 1        | ..        |
| Office Assistant         | 1        | 1        | ..        |
|                          | <u>3</u> | <u>3</u> | <u>..</u> |

AGRONOMIC RESEARCH STATION, CHALAKKUDY

Inception - Brief History

This Station was established in 2 ha or leased land at Pariyaram in 1962 to take up studies on water requirement and cropping patterns for the irrigated areas under the Chalakudy Command area. The scheme was wound up in 1969. Later, a Research Station was established in 1972 in 8.95 ha of land acquired for the purpose by the Department of Agriculture, Govt. of Kerala. The Station was taken over by the KAU in 1973 for implementing the ICAR Coordinated Project for Research on Water Management. This project started functioning in July 1974.

Location: The Station is located on the northern side of the Chalakudy-Sholayar road about 0.4 km from the Chalakudy town. The geographic location is at 10°20' N latitude and 76°20' E longitude in the command area of the Chalakudy Irrigation Project.

Soil type: The major soil group of the farm is sandy-loam.

Land utilisation pattern:

|                        |   |
|------------------------|---|
| Total area             | - 8.95 ha (wet 7.05 ha<br>upland 1.90 ha) |
| Area under experiments | - 4.2 ha                                  |

Projects implemented:

All India Coordinated Research Project on Water Management and KAU projects.

Objective functions:

The lead function of this Station is to conduct research on water management aspects of various crops.

Research Projects in progress : 14 Nos.

Expenditure

|   | <u>1982-83</u> | <u>1983-84</u> |
|---|----------------|----------------|
| Pay & allowances of staff               | 2,00,916.14    | 2,81,699.45    |
| Pay & allowances of permanent labourers | 1,36,027.80    | 1,68,719.20    |
| Labour charges (Seasonal labour)        | 28,705.02      | 27,444.89      |
| Contingencies                           | 55,554.54      | 80,377.82      |
| Total                                   | 4,21,203.50    | 5,58,241.36    |

Receipts

|                                       |   |           |
|---------------------------------------|---|-----------|
| 1982-83                               | - | 57,364.19 |
| 1983-84                               | - | 50,371.96 |
| Expenditure/Receipt ratio for 1983-84 |   | : 11.08   |

Personnel

|                     | <u>Sanct-<br/>ioned</u> | <u>In posi-<br/>tion</u> | <u>Vacant</u> |
|---------------------|-------------------------|--------------------------|---------------|
| Professor           | 1                       | 1                        | ..            |
| Associate Professor | 7                       | 2                        | 5             |
| Assistant Professor | 4                       | 3                        | 1             |
| Total               | 12                      | 6                        | 6             |

Supporting staff positions - 6 Nos.

Ministerial staff - 5 Nos.



CATTLE BREEDING FARM, THUMBURMUZHI

This farm was started in 1953 as an ancillary station for rearing calves to a stage of seven months pregnancy and for distributing the animals to other farms. The Station was taken over by KAU in 1972. Currently this Station is also conducting limited research work on cross-bred calves.

Land utilisation:

The total area of the farm is 25.2 ha of which 50 acres are under cultivation.

Expenditure

|   | <u>1982-83</u>     | <u>1983-84</u>     |
|---|--------------------|--------------------|
| Pay & allowances of staff               | 1,60,337.13        | 1,93,351.76        |
| Pay & allowances of permanent labourers | 3,15,201.88        | 3,44,690.52        |
| Labour charges (seasonal labour)        | 43,066.61          | 6,920.33           |
| Contingencies                           | 11,625.94          | 13,331.17          |
| Total                                   | <u>5,30,231.56</u> | <u>5,88,293.78</u> |

Receipts

1982-83 - 32,553.14

1983-84 - 45,442.79

Expenditure Receipt ratio for 1983-84 = 12.946

No. of Research Projects : NIL

Personnel

Technical - 5

Supporting - 9

Total - 14

RICE RESEARCH STATION, VYTTILA

Inception and Brief History

The Rice Research Station, Vyttila, was started in 1958 in leased land in Kunnara near the power house, Vyttila. The Station started functioning in the present permanent site at Ponnurunny in 1963 by acquiring 11.38 acres. In 1973, an additional area of 10.15 acres and recently 0.77 acres were acquired, thus making the total area 22.30 acres (8.91 ha). The Station was taken over by the KAU in Feb., 1974.

Location: The Station is located in the heart of the Pokkali area. Location is 7 km east of Ernakulam junction Railway Station and 15 km away from Cochin airport at an attitude of 1.7m above MSL.

Soil: Acid saline soil - Stiff impervious, rich in organic matter -

Utilisation of farm land

|                        |   |         |
|------------------------|---|---------|
| Total area             | - | 8.91 ha |
| <u>Cropped area</u>    |   |         |
| a) Fisheries Project   | - | 3.05 ha |
| b) Rice Project        | - | 2.01 ha |
| c) Seed multiplication | - | 2.24 ha |
| d) Dry land            | - | 1.61 ha |
|                        |   | -----   |
| Total                  | - | 8.91 ha |
|                        |   | =====   |
| Area under experiments | - | 6.67 ha |

Projects in operation

- Rice Project - KAU
- NARP - for Pokkali area  
(Region of Problem areas)
- Coconut Root Wilt Disease Project

Research Projects in operation

|           |   |       |
|-----------|---|-------|
| NARP      | - | 11    |
| CRWDP     | - | 2     |
| Fisheries | - | 7     |
|           |   | ----- |
| Total     | - | 20    |
|           |   | ===== |

Objective function:

To conduct research on all aspects of Pokkali rice and crop-fish farming systems.

Expenditure

|  | <u>1982-83</u> | <u>1983-84</u> |
|--|----------------|----------------|
| Pay & allowances of staff                                  | 3,20,638.81    | 3,25,992.16    |
| Pay & allowances of permanent labourers and labour charges | 75,245.06      | 88,902.05      |
| Contingencies  | 63,161.24      | 49,189.83      |
|  | -----          | -----          |
| Total  | 4,59,045.11    | 4,64,084.04    |
|  | =====          | =====          |

Receipts

|                                   |   |           |
|-----------------------------------|---|-----------|
| 1982-83                           | - | 34,740.54 |
| 1983-84                           | - | 43,141.43 |
| Expenditure Receipt ratio - 10.75 |   |           |

Staff position

|                            | <u>Sanct-<br/>ioned</u> | <u>In posi-<br/>tion</u> | <u>Vacant</u> |
|----------------------------|-------------------------|--------------------------|---------------|
| <u>Academic</u>            |                         |                          |               |
| <u>Non-Plan Rice</u>       |                         |                          |               |
| Associate Professor        | 2                       | 1                        | 1             |
| <u>NARP</u>                |                         |                          |               |
| Assistant Professor        | 1                       | ..                       | 1             |
| <u>CRWDF</u>               |                         |                          |               |
| Junior Assistant Professor | 1                       | ..                       | 1             |

|                               | <u>Sanct-<br/>ioned</u> | <u>In posi-<br/>tion</u> | <u>Vacant</u> |
|-------------------------------|-------------------------|--------------------------|---------------|
| <u>AICRP ON BRACKISHWATER</u> |                         |                          |               |
| <u>FISH FARMING</u>           |                         |                          |               |
| Associate Professor           | 1                       | 1                        | ..            |
| Junior Assistant Professor    | 2                       | 1                        | 1             |
| Total Academic                | 7                       | 3                        | 4             |
| <u>Supporting</u>             |                         |                          |               |
| Non-Plan Rice                 | 9                       | 8                        | 1             |
| NARP                          | ..                      | ..                       | ..            |
| CRWDP                         | 1                       | 1                        | ..            |
| AICRP (BFF)                   | 6                       | 6                        | ..            |
| Total                         | 16                      | 15                       | 1             |

AROMATIC & MEDICINAL PLANTS RESEARCH STATION, ODAKKALI

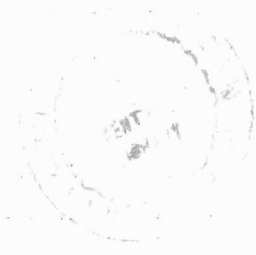
Inception & Brief History

The Station was started in 1951 as Lemongrass Breeding Station at Odakkali under the Department of Industries of the erstwhile TC-State and it was taken over by the Department of Agriculture as the Lemongrass Research Station in 1954. This is the only centre in India where intensive studies on Cymbopogon flexuosus are being carried out. The centre was taken over by the KAU in 1972.

Location: The Station is located 27 km east of Alwaye by the side of the Alwaye-Idukki road at an elevation of 66 m above MSL.

Soil - Laterite.

205687



Projects implemented

KAU Projects (10) on essential oil and medicinal plants are implemented in the Station.

Objective functions

On all To conduct research/aspects of essential oil yielding and medicinal plants.

Land utilisation pattern

|                         |           |
|-------------------------|-----------|
| Total area              | - 12.4 ha |
| Area under experiments  | - 1.4 ha  |
| Area under other crops: |           |
| Lemongrass              | - 7.5 ha  |
| Motia                   | - 2.0 ha  |
| Medicinal plants        | - 0.2 ha  |
| Miscellaneous crops     | - 0.2 ha  |

Expenditure

|   | <u>1982-83</u>     | <u>1983-84</u>     |
|---|--------------------|--------------------|
| Pay & allowances of staff                 | 2,01,385.76        | 2,49,118.75        |
| Pay and allowances of permanent labourers | 85,329.62          | 91,633.49          |
| Labour charges                            | 49,057.97          | 38,434.28          |
| Contingencies                             | 77,118.75          | 74,085.62          |
| Total                                     | <u>4,12,892.10</u> | <u>4,53,272.14</u> |

Receipts

|                                     |             |
|-------------------------------------|-------------|
| 1982-83                             | - 52,321.12 |
| 1983-84                             | - 40,430.06 |
| Expenditure Receipt ratio for 83-84 | - 11.21     |

Personnel

|                                     | <u>Sanct-<br/>ioned</u> | <u>In posi-<br/>tion</u> | <u>Vacant</u> |
|-------------------------------------|-------------------------|--------------------------|---------------|
| <u>Technical</u>                    |                         |                          |               |
| Associate Professor                 | 1                       | 1                        | ..            |
| Assistant Professor                 | 1                       | ..                       | 1             |
| Junior Assistant Professor          | 2                       | 1                        | 1             |
| <u>Paratechnical</u>                | 4                       | 4                        | ..            |
| <u>Supporting &amp; Ministerial</u> | 8                       | 8                        | ..            |
| <u>Permanent labourers</u>          | 14                      | 14                       | ..            |
| GRAND TOTAL                         | <u>30</u>               | <u>28</u>                | <u>2</u>      |

CARDAMOM RESEARCH STATION, PAMPADUMPARA

Inception and Brief History

This station was started in the year 1956. The All India Co-ordinated Research Project on Spices and Cashew Improvement was initiated in the station in 1977. This station was taken over by the KAU in 1972.

Location

The station is located in Pampadumpara village of Udumbanchola taluk of Idukki district at 35km north of Kumili on the Kumily - Munnar road at 77° 10' longitude and 9° 45' latitude at an elevation of 1100m above MSL.

Soil type: The soil is typical forest loam.

Land utilisation pattern

Total area 46.44ha  
Area under cardamom 40.0ha  
(Yielding 28 ha)  
Pepper - 2 ha  
Coffee - 2 ha  
Lemongrass - 1.00 ha  
Nursery - 0.10ha  
Roads, buildings - 1.34 ha  
rockery area

|         | <u>Expenditure</u> | <u>Receipts</u> |
|---------|--------------------|-----------------|
| 1980-81 | 2,66,464.00        | 2,26,483.00     |
| 1981-82 | 7,37,364.80        | NA              |

Projects operated

NARP high range project  
 All India Co-ordinated Spices & Cashew Research  
 Project - experiments in cardamom

Research Projects in progress

|       |       |
|-------|-------|
| ICAR  | - 11  |
| KAU   | - 11  |
|       | ----- |
| Total | - 22  |
|       | ===== |

Objective functions

The lead functions of this station are to conduct research on cardamom and tribal area development. The verification functions are on rice and pepper.

Personnel

|                       | <u>Sanctioned</u> | <u>In position</u> | <u>Vacant</u> |
|-----------------------|-------------------|--------------------|---------------|
| <u>Academic Staff</u> |                   |                    |               |
| Assoc. Professor      | 3                 | 2                  | 1             |
| Asst. Professor       | 5                 | -                  | 5             |
| Jr. Asst. Professor   | 2                 | 1                  | 1             |
|                       | -----             | -----              | -----         |
| Total                 | 10                | 3                  | 7             |
|                       | =====             | =====              | =====         |

Supporting Staff position - 16 sanctioned  
 Permanent Labourers - 34

REGIONAL AGRICULTURAL RESEARCH STATION, KUMARAKOM

Inception and brief history

The Coconut Research Station, Kumarakom was started in December 1947 with the financial aid of the Indian Central Coconut Committee. In the beginning, experiments were conducted in 23.26 ha of coconut plantation leased out from Mr. Baker. In 1958, the site was acquired by the Government of Kerala. The station came under the KAU in February 1972. An additional area of 21.5 ha was transferred by the Department of Agriculture in 1980. With the implementation of the NARP, the station was upgraded and redesignated as Regional Agricultural Research Station in 1982.

Location:

The area of the farm is reclaimed from the Vembanad lake and is situated 17 km east of Kottayam on the Kottayam - Kumarakom - Vechoor Road. Geographic location is at longitude 7630 east and latitude 9° 30' north at altitude of 0.6m above MSL.

Soil type: Alluvial clay

Utilisation of farm land

|                            |   |          |
|----------------------------|---|----------|
| Total area                 | : | 45.11 ha |
| Area put under experiments | : | 27.12 ha |

Projects/Schemes operated

NARP - HQRs for the special region of problem areas  
Coconut Root Wilt Disease Project



Research Projects in operation

|   |   |    |
|---|---|----|
| Coconut & Coconut based farming systems | 0 | 30 |
| Fisheries Project                       | 0 | 6  |
| Observational trials                    | 0 | 6  |
|   |   | 42 |
|   |   | 42 |

Objective functions

The main functions are to conduct research on coconut diseases and integrated crop-livestock fish farming. The verification function include rice in Kayal areas.

Expenditure

|   | <u>1982-83</u> | <u>1983-84</u> |
|---|----------------|----------------|
|   | Rs. Ps         | Rs. Ps         |
| Pay & allowances of staff               | 6,33,012.98    | 8,06,871.31    |
| Pay & allowances of permanent labourers | 54,639.25      | 1,16,215.47    |
| Labour charges                          | 1,11,692.11    | 1,19,550.70    |
| Contingencies                           | 1,80,957.62    | 3,12,419.56    |
|   | -----          | -----          |
| Total                                   | 10,30,301.96   | 13,55,057.04   |
|   | =====          | =====          |

Receipts

|         |               |
|---------|---------------|
| 1982-83 | : 2,37,969.70 |
| 1983-84 | : 2,53,923.50 |

Staff position

|                     | <u>Total sanctioned</u> | <u>Total in position</u> | <u>Vacant</u> |
|---------------------|-------------------------|--------------------------|---------------|
| <u>Academic:</u>    |                         |                          |               |
| Asst. Professor     | 1                       | 1                        | -             |
| Jr. Asst. Professor | 1                       | -                        | 1             |

Coconut Root Wilt Disease Project

|                     |   |   |   |
|---------------------|---|---|---|
| <u>Academic:</u>    |   |   |   |
| Professor           | 1 | 1 | - |
| Assoc. Professor    | 2 | 2 | - |
| Asst. Professor     | 4 | 2 | 2 |
| Jr. Asst. Professor | 2 | 2 | - |

IRP

|                     |   |   |   |
|---------------------|---|---|---|
| Jr. Asst. Professor | 1 | 1 | - |
|---------------------|---|---|---|

NARP

|                  |    |    |   |
|------------------|----|----|---|
| Assoc. Professor | 3  | 3  | - |
| Asst. Professor  | 11 | 10 | 1 |

|                |    |    |   |
|----------------|----|----|---|
| Total academic | 26 | 22 | 4 |
|----------------|----|----|---|

|                  |    |    |   |
|------------------|----|----|---|
| Supporting Staff | 45 | 36 | 9 |
|------------------|----|----|---|

RICE RESEARCH STATION, MONCOMPU

The Moncompu station was established in 1940 to cater to the needs of the Kuttanad region.

Location:

The station is situated on the northern side of Alleppey - Changanacherry road, 12 km from Changanacherry/Alleppey.

Soil type: Alluvial clay

Utilisation of farm land

|                               |   |          |
|-------------------------------|---|----------|
| Total area                    | : | 8.664 ha |
| Area under experiments        | : | 6.382 ha |
| Garden lands/nursery areas:-  |   | 1.730 ha |
| Threshing floor/buildings etc |   |          |
| Area to be reclaimed          |   | 0.552 ha |

Projects/Schemes in operation

NARP Special Region of Problem areas

ORP on Integrated Pest Management

AICRIP - Rice Improvement Project and Special disease and pest research sub-centre

No of Research Projects

|                     |   |    |
|---------------------|---|----|
| Crop Improvement    | : | 5  |
| Crop Management     | : | 19 |
| Crop Protection     | : | 10 |
| Extension/Economic/ | : | 2  |
| Statistics          | : | 3  |

Total : 39

Objective functions

The main function of the stations is to conduct research on various aspects of rice in the Kayal lands.

Expenditure (Rs)

|   | <u>1982-83</u> | <u>1983-84</u> |
|---|----------------|----------------|
| Pay & Allowances of Staff               | 5,81,634.09    | 6,90,702.30    |
| Pay & Allowances of permanent labourers | 86,903.29      | 90,870.97      |
| Labour charges                          | 18,283.82      | 31,690.53      |
| Contingencies                           | 96,692.11      | 97,030.34      |
|   | -----          | -----          |
| Total                                   | 7,83,513.31    | 9,10,294.14    |
|   | =====          | =====          |

Receipts (Rs)

|         |             |
|---------|-------------|
| 1982-83 | : 51,285.00 |
| 1983-84 | : 68,495.89 |

Expenditure: Receipt ratio for 1983-84 = 13.29  
=====

Staff position

|                        | <u>Total sanctioned</u> | <u>In position</u>        | <u>Vacant</u> |
|------------------------|-------------------------|---------------------------|---------------|
| <u>Non-plan - Rice</u> |                         |                           |               |
| Assoc. Professor       | 1                       | Shifted to RRS Kayamkulam |               |
| Asst. Professor        | 3                       | 2                         | 1             |
| <u>Fisheries</u>       |                         |                           |               |
| Jr. Asst. Professor    | 1                       | -                         | 1             |
| <u>Ecosystem</u>       |                         |                           |               |
| Jr. Asst. Professor    | 4                       | 1                         | 3             |

| <u>ORP</u>                    | <u>Total sanctioned</u> | <u>In position</u> | <u>Vacant</u> |
|-------------------------------|-------------------------|--------------------|---------------|
| Assoc. Professor              | 1                       | 1                  | -             |
| Asst. Professor               | 1                       | -                  | 1             |
| Jr. Asst. Professor           | 4                       | 1                  | 3             |
| Junior Statistician           | 1                       | 1                  | -             |
| <u>Special diseases</u>       |                         |                    |               |
| <u>AICRIP</u>                 |                         |                    |               |
| Assoc. Professor (PP)         | 1                       | 1                  | -             |
| <u>AICRIP Moncompu Centre</u> |                         |                    |               |
| Asst. Professor               | 3                       | 2                  | -             |
| Jr. Asst. Professor           | 1                       | -                  | -             |
| <u>NARP</u>                   |                         |                    |               |
| Assoc. Professor              | 2                       | 2                  | -             |
| Asst. Professor               | 6                       | 5                  | 1             |
| -----                         |                         |                    |               |
| Total Academic                | 29*                     | 18                 | 10            |

=====

\* 1 post shifted to RRS Kayamulam

Supporting position

|           |    |    |   |
|-----------|----|----|---|
| Non-plan  | 15 | 14 | 1 |
| Fisheries | 3  | 3  | - |
| Ecosystem | 3  | 3  | - |
| ORP       | 3  | 3  | - |
| NARP      | 6  | 2  | 4 |
| -----     |    |    |   |
| Total     | 30 | 25 | 5 |
| =====     |    |    |   |

RICE RESEARCH STATION, KAYAMKULAM

Inception and Brief history

For the overall improvement of rice and sesamum crops in the Onattukara region, this station was started under the University of Travancore in 1939. It was taken over by the Department of Agriculture, GOK in 1957. The station was transferred to the KAU on 1-2-1972.

Location

Till 1962, this station was functioning in leased lands. In February 1963, 11.65 ha of land was acquired on the northern side of Kayamkulam - Punaloor road. The station is situated 1 km east of Kayamkulam town, at latitude 9° 10' north and longitude 76° 3' East at 3.05m above MSL.

Soil type: Sancy loam

Utilisation of farm land

a) Total area

|           |   |          |
|-----------|---|----------|
| Dry lands | : | 2.20 ha  |
| Wet lands | : | 9.45     |
|           |   | -----    |
| Total     | : | 11.65 ha |
|           |   | =====    |

b) Area put under experiments: 1.5 to 2 ha in each seasons

Projects/Schemes in operation

NARP Special Region of problem areas for Onattukara

Coconut Root Wilt Disease Project

Research Projects in operation

Rice & Rice based cropping system : 14

Coconut & Coconut based farming systems : 5

Objective functions

The thrust of research work is on all aspects of Oil seeds & Pulses. The verification function includes work on rice in the Onattukara region.

Expenditure (Rs)

|   | <u>1982-83</u>     | <u>1983-84</u>     |
|---|--------------------|--------------------|
| Pay & allowances of Staff               | 2,51,818.56        | 2,94,171.07        |
| Pay & allowances of permanent labourers | 1,07,891.04        | 1,02,144.65        |
| Labour charges                          | 34,666.55          | 57,155.18          |
| Contingencies                           | 46,914.50          | 44,638.20          |
| <b>Total</b>                            | <b>4,41,290.65</b> | <b>4,98,109.10</b> |

Receipts (Rs)

|         |             |
|---------|-------------|
| 1982-83 | : 75,766.00 |
| 1983-84 | : 77,361.37 |

Personnel

|                      | <u>Total sanctioned</u> | <u>In position</u>  | <u>Positions vacant</u> |
|----------------------|-------------------------|---------------------|-------------------------|
| <u>Academic</u>      |                         |                     |                         |
| <u>Non-plan</u>      |                         |                     |                         |
| Assoc. Professor     | 3*                      | 3                   | -                       |
| Asst. Professor(Bot) | 1                       | Shifted to Moncompu |                         |

\* 1 post of Assoc. Professor(Bot) shifted from Mancompu

|                          | <u>Total sanctioned</u> | <u>In position</u> | <u>Vacant</u> |
|--------------------------|-------------------------|--------------------|---------------|
| Asst. Professor(Agron)   | 1                       | 1                  | -             |
| Asst. Professor(Pl.Path) | 1                       | -                  | 1             |
| Jr. Asst. Professors     | 2                       | -                  | 2             |
| <u>CRWDP</u>             |                         |                    |               |
| Asst. Professor          | 1                       | 1                  | -             |
| <u>NARP</u>              |                         |                    |               |
| Asst. Professor          | 1                       | -                  | 1             |
| Jr. Asst. Professor(Bot) | 1                       | -                  | 1             |
| <hr/>                    |                         |                    |               |
| Total                    | 11*                     | 5                  | 5             |
| =====                    |                         |                    |               |

\* One post of Asst. Professor shifted to Moncompu

Supporting Staff positions

|                       |    |    |   |
|-----------------------|----|----|---|
| Para-technical        | 5  | 6  | - |
| Ministerial           | 4  | 4  | - |
| Driver                | 1  | 1  | - |
| Mazdoors              | 2  | 2  | - |
| Peon/Watchman/Sweeper | 3  | 3  | - |
| <hr/>                 |    |    |   |
| Total                 | 16 | 16 | - |
| =====                 |    |    |   |



SUGARCANE RESEARCH STATION, THIRUVALLA

Inception and Brief history

The station was started in 1976 for conducting research on Sugarcane to cater to the needs of the PRF and MSM. Sugarcane belts. A Unit of the All India Co-ordinated Sugarcane Implementation Project was sanctioned in 1977. The scheme for intensification of sugarcane research was sanctioned by the KAU as a plan scheme in 1978-79.

Location:

The station is located 6km south of Thiruvalla town at a latitude of 9° 6' North and longitude of 76° 5' East at an altitude of 25.14m above MSL.

Land Utilisation Pattern

|                        |   |         |
|------------------------|---|---------|
| Total area             | : | 9.51 ha |
| Net area cultivated    | : | 8.10 ha |
| Area under experiments | : | 5.35 ha |

Soil - Alluvial

The soil gets enriched due to silt deposit by floods from Manimala river.

Projects Implemented

Scheme for intensification of sugarcane research  
AICARP on Sugarcane  
ICAR ad hoc scheme on Survey and appraisal and control  
No. of Research Projects in operation - 27

Objective functions

To conduct research on all aspects of sugarcane cultivation .

Expenditure

|                                       | Pay & Allow-<br>ances | Permanent<br>labourers | Seasonal<br>labourers | Contingen-<br>cies | Total       |
|---------------------------------------|-----------------------|------------------------|-----------------------|--------------------|-------------|
| <u>1982-83</u>                        |                       |                        |                       |                    |             |
| Intensification of Sugarcane Research | 1,07,890.66           | 61,946.92              | 48,841.28             | 33,661.63          | 2,52,340.49 |
| AICRP on Sugarcane                    | 57,310.55             | 18,925.00              | -                     | -                  | 76,235.55   |
| ICAR Ad hoc                           | -                     | -                      | -                     | -                  | -           |
| Total                                 | 1,65,201.21           | 80,871.92              | 48,841.28             | 33,661.63          | 3,28,576.04 |
| <u>1983-84</u>                        |                       |                        |                       |                    |             |
| Intensification of Sugarcane Research | 1,35,921.61           | 57,571.86              | 68,573.78             | 32,474.46          | 2,94,487.71 |
| AICRP on Sugarcane                    | 72,309.06             | -                      | -                     | 21,917.74          | 94,226.80   |
| ICAR Ad hoc                           | 8,392.02              | -                      | -                     | 12,750.97          | 21,142.99   |
| Total                                 | 2,16,622.69           | 57,577.86              | 68,573.78             | 67,143.17          | 4,09,857.50 |

Receipts

1982-83 : Rs 79,465.06

1983-84 : Rs 1,04,611.33

Expenditure: Receipts ratio = 3.917  
for 1983-84 =====

Personnel

|                             | <u>No. Sancti-<br/>oned</u> | <u>No. in<br/>position</u> | <u>Vacant</u> |
|-----------------------------|-----------------------------|----------------------------|---------------|
| Technical                   | 6                           | 4                          | 2             |
| Paratechnical               | 3                           | 3                          | -             |
| Supporting &<br>ministerial | 6                           | 6                          | -             |
| -----                       |                             |                            |               |
| Total                       | 15                          | 13                         | 2             |
| =====                       |                             |                            |               |

Permanent labourers - 9

CROPPING SYSTEMS RESEARCH STATION, KARAMANA

Inception and Brief History

The station was established in 1955 as the Model Agronomic Research Centre by the former T.C. Government and the station was taken over by the Department of Agriculture, Kerala State later. The station was taken over by the KAU in 1972. In 1983 the station was recognised as Cropping Systems Research Station mainly to conduct the research programme envisaged under the All India Co-ordinated Agronomic Research Projects.

Location:

The station is located 3km from Trivandrum Central Railway Station, at an altitude of 29m above MSL.

Soil : Soil is sandy loam.

Land utilisation pattern

Total area : 18 acres  
Area under experiments: 6 acres

Research Projects in operation

|   |   |       |
|---|---|-------|
| All India Co-ordinated Agronomic Research Project | : | 5     |
| University Project                                | : | 2     |
| NARP Project                                      | : | 1     |
|   |   | ----- |
| Total   |   | 8     |
|   |   | ===== |

Objective functions

The aim of the station is conduct research on rice based farming systems.

Expenditure

|   | <u>1982-83</u>     | <u>1983-84</u>     |
|---|--------------------|--------------------|
| Pay & allowances of staff               | 1,67,510.68        | 3,03,153.53        |
| Pay & allowances of Permanent labourers | 81,106.68          | 87,507.81          |
| Cost of seasonal labourers              | 28,765.28          | 14,933.08          |
| Other contingencies                     | 25,659.06          | 1,39,922.95        |
| <b>Total</b>                            | <b>3,03,041.70</b> | <b>5,45,517.37</b> |

Receipts

|         |             |
|---------|-------------|
| 1982-83 | : 58,209.19 |
| 1983-84 | : 44,339.49 |

Expenditure: Receipt for 1983-84 = 12.303  
=====

Personnel

|                              | <u>Sanctioned</u> | <u>In position</u> | <u>Vacant</u> |
|------------------------------|-------------------|--------------------|---------------|
| <u>Technical</u>             |                   |                    |               |
| Professor                    | 1                 | 1                  | -             |
| Asst. Professor              | 4                 | 3                  | 1             |
| Jr. Asst. Professor          | 4                 | 3                  | 1             |
| <b>Total</b>                 | <b>9</b>          | <b>7</b>           | <b>2</b>      |
| <u>Para-technical</u>        |                   |                    |               |
| Supporting                   | 3                 | 3                  | -             |
| Ministerial & Administrative | 5                 | 5                  | -             |
|                              | 3                 | 3                  | -             |
| <b>Total</b>                 | <b>11</b>         | <b>11</b>          | <b>-</b>      |

COCONUT RESEARCH STATION, BALARAMAPURAM

Inception & Brief history

The station was started in 1965 by the Government of Kerala with an area of 14.13 ha. This station was transferred to the KAU in 1972.

Location:

The farm is located at Kattachalkuzhy, 3.2 km south of Balaramapuram, on the Balaramapuram-Vizhinjam road. This farm has two blocks, namely, 'A' block in Kottukal village in Neyyatinkara taluk and the 'B' block in Thiruvallam village of Trivandrum Taluk. The altitude of the farm is 90 m above MSL.

Soil : Deep red loam soil belonging to Vellayani series

Projects Implemented

University Research Projects in Coconut and coconut based farming systems are implemented in the station.

No. of research projects - 6 Nos.

Objective functions

The main function is to conduct research on all aspects of coconut.

Lands utilisation

Total area - 14.13 ha

The entire area is under coconut

Area under experiments - 8.63 ha

Expenditure

|   | <u>1982-83</u> | <u>1983-84</u> |
|---|----------------|----------------|
| Pay & allowances of Staff               | 1,56,362.54    | 1,73,824.36    |
| Pay & allowances of Permanent labourers | 1,16,088.23    | 1,26,179.00    |
| Cost of seasonal labour                 | 19,417.30      | 23,826.04      |
| Contingencies                           | 25,432.66      | 25,391.69      |
|   | -----          |                |
| Total                                   | 3,17,300.73    | 3,49,221.09    |
|   | =====          |                |

Receipts

1982-83 : Rs 2,29,630.54

1983-84 : Rs 3,13,237.85

Expenditure: receipts ratio for 1983-84 : 1.115

Personnel

|   | <u>Sanctioned</u> | <u>In position</u> | <u>Vacant</u> |
|---|-------------------|--------------------|---------------|
| <u>Technical</u>                        |                   |                    |               |
| Assoc. Professor                        | 1                 | 1                  | -             |
| Asst. Professor                         | 1                 | 1                  | -             |
| <u>Supporting</u>                       |                   |                    |               |
| Farm Supervisor Grade I                 | 1                 | 1                  | -             |
| Farm Assistant Sr. Grade                | 1                 | 1                  | -             |
| <u>Administrative &amp; Ministerial</u> |                   |                    |               |
| Administrative Assistant                | 1                 | 1                  | -             |
| Assistant Senior Grade                  | 1                 | 1                  | -             |
| Assistant Grade II                      | 1                 | 1                  | -             |
| Typist Grade II                         | 1                 | 1                  | -             |
| <u>Others</u>                           |                   |                    |               |
| Peon                                    | 1                 | 1                  | -             |
| Special Gr. Mazdoor                     | 1                 | 1                  | -             |
| Watchman                                | 2                 | 1                  | 1             |
|   | -----             |                    |               |
| Grand Total                             | 12                | 11                 | 1             |
|   | =====             |                    |               |

INSTRUCTIONAL FARM, VELLAYANI

Land Utilization

Total area : 75 ha garden lands  
 170 ha Kayal lands  
 Area under experiment : 20 ha

Expenditure

|   | <u>1982-83</u> | <u>1983-84</u> |
|---|----------------|----------------|
| Pay & allowances of Staff               | 4,61,949.77    | 5,84,598.17    |
| Pay & allowances of Permanent labourers | 11,58,956.13   | 12,40,762.28   |
| Cost of seasonal labourers              | 2,99,902.31    | 3,29,559.64    |
| Contingencies                           | 6,37,707.63    | 7,00,352.40    |
| Total                                   | 25,58,515.84   | 28,55,372.49   |

Receipts

1982-83 : Rs 4,48,133.47  
 1983-84 : Rs 10,99,932.01

Expenditure: Receipts ratio 1983-84 = 2.60

Personnel

|                     | <u>Sanctioned</u> | <u>In position</u> | <u>Vacant</u> |
|---------------------|-------------------|--------------------|---------------|
| <u>Technical</u>    |                   |                    |               |
| Assoc. Professor    | 1                 | 1                  | -             |
| Asst. Professor     | 1                 | 1                  | -             |
| Jr. Asst. Professor | 4                 | 2                  | 2             |
| Total               | 6                 | 4                  | 2             |
| Supporting Staff    | - 44 Nos.         |                    |               |



INSTRUCTIONAL FARM, VELLANIKKARA

Area Utilization

Total area : 95.35 ha  
Area under experiments : 5.00 ha

Expenditure

|       | <u>1982-83</u> | <u>1983-84</u> |
|-------|----------------|----------------|
| Total | 1.95,494.98    | 2,33,621.10    |

Receipts

Receipts shown along with figures for  
Agricultural Research Station, Mannuthy.

## AICRP ON AGRICULTURAL DRAINAGE, KARUMADY

Area Utilisation

The station is not having its own land. The experiments are undertaken under actual farming situations in farmers fields. Kavil Thekkumpuram Padasekharam at Karumady with a watershed area of 88.919 ha and with a paddy field of 75.238 ha comprises the project area.

No. of experiments

6 experiments under AICRP on Agricultural Drainage are in progress.

Personnel

|                            | <u>Sanctioned</u> | <u>In posi-<br/>tion</u> | <u>Vacant</u> |
|----------------------------|-------------------|--------------------------|---------------|
| <u>Technical</u>           |                   |                          |               |
| Assoc. Professor           | 1                 | -                        | 1             |
| Asst. Professor            | 2                 | 1                        | 1             |
| <u>Paratechnical Staff</u> | 6                 | 3                        | 3             |
| <u>Supporting Staff</u>    | 6                 | 6                        | -             |

Expenditure

|                           | <u>1982-83</u> | <u>1983-84</u> |
|---------------------------|----------------|----------------|
| Pay & allowances of Staff | 84,005.80      | 1,30,243.50    |
| Contingencies             | 42,503.78      | 1,14,708.39    |
| Total                     | 1,26,509.58    | 2,44,951.89    |
|                           | =====          | =====          |

Receipts

|         |               |
|---------|---------------|
| 1982-83 | : Nil         |
| 1983-84 | : Rs 1,779.85 |

UNIVERSITY LIVESTOCK FARM, MANNUTHY

This was established in 1961 to provide facilities for research and teaching at UG and PG levels for the academic programmes of the College of Veterinary & Animal Sciences. The personnel include Associate Professor (1), Junior Assistant Professor (1), Farm Assistants (4), Dairy men (4) and Permanent labourers (3).

UNIVERSITY POULTRY FARM

This was established in 1952 under the Animal Husbandry Department to carry out breeding of Poultry, to evolve superior types and also to standardise management practices. The All India Co-ordinated Project on Poultry for eggs started functioning in 1977. The personnel include one Junior Assistant Professor, three Farm Assistant (Vety), one Administrative Assistant, 3 Poultry servants, one peon and 14 permanent labourers.

PIG BREEDING FARM, MANNUTHY

This was started in 1965. The personnel include one Assistant Professor two Farm Assistants (Vety), five ministerial staff and sixteen permanent labourers.



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